

VU Research Portal

Cholinergic modulation of microcircuits in the cortex

Obermayer, J.M.G.

2019

document version

Publisher's PDF, also known as Version of record

[Link to publication in VU Research Portal](#)

citation for published version (APA)

Obermayer, J. M. G. (2019). *Cholinergic modulation of microcircuits in the cortex*. [PhD-Thesis - Research and graduation internal, Vrije Universiteit Amsterdam].

General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
- You may freely distribute the URL identifying the publication in the public portal ?

Take down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

E-mail address:

vuresearchportal.ub@vu.nl

Table of contents

Chapter 1	General introduction	7
Chapter 2	Prefrontal cortical ChAT-VIP interneurons provide local excitation by cholinergic synaptic transmission and control attention	23
Chapter 3	Layer-specific cholinergic control of human and mouse cortical synaptic plasticity	47
Chapter 4	Lateral inhibition by Martinotti interneurons is facilitated by cholinergic inputs in human and mouse neocortex	67
Chapter 5	General discussion	91
References		101
English summary		121
Nederlandse samenvatting		125
Acknowledgements		129
List of Publications		133